

INTERNATIONAL SEARCH REPORT

International Application No
PCT/GB2004/003107

A. CLASSIFICATION OF SUBJECT MATTER			
IPC 7	E21B17/01	B63B21/50	B63B21/66

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 E21B B63B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 2 192 015 A (SECR DEFENCE) 31 December 1987 (1987-12-31) page 1, line 105 – line 107; figures 3a,3b page 1, line 124 – page 2, line 1 figures 3A,3B	1-8,15
Y	-----	3-7, 9-14,16, 17
X	US 6 517 289 B1 (KNUTSON RICHARD K ET AL) 11 February 2003 (2003-02-11) figures 1,2	1,2
Y	-----	9
Y	US 2002/134553 A1 (WOODROW TIMOTHY JOHN) 26 September 2002 (2002-09-26) page 4, paragraph 73; figure 6 page 5, paragraph 76 page 5, paragraph 81; figure 8 page 1, paragraph 7	3-7,16, 17

	-/-	

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the International filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the International filing date but later than the priority date claimed

"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

28 September 2004

Date of mailing of the International search report

07/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5010 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Manolache, I

INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003107

C(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4 078 605 A (JONES MARVIN R) 14 March 1978 (1978-03-14) column 3, lines 45-51; figure 1 -----	10-14

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/GB2004/003107

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
GB 2192015	A	31-12-1987		NONE
US 6517289	B1	11-02-2003		NONE
US 2002134553	A1	26-09-2002	AU DE DE EP EP ES WO NO US	7537998 A 69810766 D1 69810766 T2 1310630 A1 0983419 A2 2202857 T3 9853176 A2 995737 A 6401825 B1
US 4078605	A	14-03-1978	NONE	